

Application Number: 10/663,659
Examiner: HYEON, Hae M
Art Unit: 2839

Applicant: Speed Tech Corp.

IN THE CLAIMS

Please amend the claims as follows.

1. (currently amended) ~~An electric~~ A structure of a electrical connector comprising:

an electrically insulative housing, said housing comprising a front receiving side, a recessed rear mounting side, a plurality of insertion holes extended from said front receiving side to said rear mounting side, and a finger unit backwardly extended from said rear mounting side, wherein the finger unit comprises a plurality of spacer blocks, and wherein a passageway is formed between every two adjacent spacer blocks;

a plurality of terminals respectively mounted in said recessed rear mounting side of said housing, said terminals each comprising a horizontally extended mounting portion positioned inside said housing, a front contact portion curved obliquely backwards from a front end of said mounting portion, and a rear vertical soldering portion downwardly extended from a rear end of said mounting portion ~~and passing through~~ the passageways ~~in~~ between said spacer blocks to the outside of said housing for soldering to a circuit board; and

a back cover press-fitted into said recessed rear mounting side of said housing to hold down said terminals, said back cover comprising at least one flat pressure wall adapted to hold down the rear vertical soldering portions of said terminals in the recessed rear mounting side of said housing, and a finger unit forced into engagement with the finger unit of said housing to hold down said terminals.

2. (currently amended) The structure of the electrical ~~electric~~ connector as claim 1, wherein said housing further comprises a plurality of hook holes formed in said recessed rear mounting side; said back cover further comprises a plurality of hooks

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respectively hooked in the hook holes of said housing.

3. (currently amended) The structure of the electrical ~~electrie~~ connector as claim 1, wherein the finger unit of said housing comprises a plurality of spacer blocks, and a plurality of passageways respectively defined in between each two adjacent spacer blocks, said spacer blocks each having a front locating groove; the finger unit of said back cover comprises a plurality of receiving open chambers, which receive the spacer blocks of the finger unit of said housing, and a plurality of partition flanges, which separate said receiving open chamber.

4. (currently amended) The structure of the electrical ~~electrie~~ connector as claim 3, wherein the passageways in between the spacer blocks of the finger unit of said housing and the front locating grooves of said spacer blocks of said housing receive the rear vertical soldering portions of said terminals, and the partition flanges of the finger unit of said back cover are respectively engaged into the passageways of said housing to hold down the rear vertical soldering portions of said terminals.

5. (currently amended) The structure of the electrical ~~electrie~~ connector as claim 1, wherein the mounting portions of said terminals are respectively positioned in the insertion holes of said housing.

6. (currently amended) The structure of the electrical ~~electrie~~ connector as claim 1, wherein the front contact portions of said terminals are respectively suspended in the front receiving side of said housing.

7. (currently amended) The structure of the electrical ~~electrie~~ connector as claim 1, which is a RJ-45 connector.

8. (currently amended) ~~An electric~~ A structure of a electrical connector comprising:

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an electrically insulative housing, said housing comprising a front receiving side, a recessed rear mounting side, a plurality of insertion holes extended from said front receiving side to said rear mounting side, a plurality of protruding blocks ~~suspended in~~ extending from said rear mounting side, and a ~~plurality of passageways~~ passageway respectively ~~defined in~~ formed between said every two adjacent protruding blocks;

a plurality of terminals respectively mounted in said recessed rear mounting side of said housing, said terminals each comprising a horizontally extended mounting portion positioned inside said housing, a front contact portion curved obliquely backwards from a front end of said mounting portion, and a rear vertical soldering portion downwardly extended from a rear end of said rear mounting portion side passing through the passageways ~~in~~ between said ~~spacer~~ protruding blocks to the outside of said housing for soldering to a circuit board; and

a back cover press-fitted into said recessed rear mounting side of said housing to hold down said terminals, said back cover comprising a flat pressure wall and a plurality of partition flanges adapted to hold down the soldering portions of said terminals in the rear mounting side of said housing.

9. (currently amended) The structure of the electrical ~~electric~~ connector as claim 8, wherein said housing further comprises a plurality of hook holes formed in said recessed rear mounting side; said back cover further comprises a plurality of hooks respectively hooked in the hook holes of said housing.

10. (currently amended) The structure of the electrical ~~electric~~ connector as claim 8, the passageways in between the protruding blocks receive the rear vertical soldering portions of said terminals, and the partition flanges of said back cover are respectively engaged into the passageways of said housing to hold down the rear vertical

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soldering portions of said terminals.

11. (currently amended) The structure of the electrical ~~electric~~ connector as claim 8, wherein the mounting portions of said terminals are respectively positioned in the insertion holes of said housing.

12. (currently amended) The structure of the electrical ~~electric~~ connector as claim 8, wherein the front contact portions of said terminals are respectively suspended in the front receiving side of said housing.

13. (currently amended) The structure of the electrical ~~electric~~ connector as claim 8, which is a RJ-11 connector.

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